

CURRICULUM VITAE (Autobiography)

Mekhman S. Yusubov

PERSONAL DATA

BORN: October 26, 1961, city of Tbilisi, Republic of Georgia in the Former Soviet Union

CITIZENSHIP: Russia

OFFICE: Siberian State Medical University, Moskovski trakt 2, Tomsk, 634050, Russia

Tomsk Polytechnic University, Lenin str. 30, Tomsk, Russia

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EDUCATION

Doctor of Science: 1998, Tomsk Polytechnic University, Tomsk, Russia

Ph.D. (Russian analog): 1991, Tomsk Polytechnic University, Tomsk, Russia

Advisor: Professor Viktor D. Filimonov, dissertation title: "New oxidizing DMSO-based reagents in synthesis of aromatic 1,2-diketones and bis-1,2-diketones"

BS/MS (Russian analog): 1985, Department of Technology of Organic Synthesis, Tomsk Polytechnic University, Tomsk, Russia

Advisor: Professor Viktor D. Filimonov, thesis title: "Elaboration of new methods for synthesis of α -diketones"

ACADEMIC EXPERIENCE

Leading Scientist, Department of Organic Chemistry, Tomsk Polytechnic University, 2000 – present.

Head Head of Department of Chemistry, Siberian State Medical University, 1995 - present.

Professor, Siberian State Medical University, 2001 - present.

Senior Scientist, Department of Organic Chemistry, Tomsk Polytechnic University 1992 – 2000

Visiting Scientist, Institut für Organische Chemie and Zentrum für Biomolekulare Wirkstoffchemie (BMWZ), Leibniz Universität Hannover, Germany, 2006, 2008; University of Minnesota Duluth, USA, 2006; 2009 Cardiff University, UK, 2004; SK Chemicals, South Korea, 2002; University of Ulsan, South Korea, 2007, 1996, 1994.

RESEARCH INTERESTS

Hypervalent iodine chemistry: preparation of $\text{ArI}(\text{OAc})_2$, ArICl_2 and ArIF_2 and their reactions with alkenes, alkynes, monoterpenes, ketones, arenes.

Synthetic organic chemistry: development of efficient synthetic methods and reagents for oxidation of alkenes, alkynes and ketones to 1,2-di- and polycarbonyl compounds, sultones, thiomethyl ethers.

Chemistry of terpenes: oxidation of natural terpenes by HBr-DMSO and ArICl_2 to chloro-, bromo- and iodohydrines, ketones, 1,2-diketones.

Chemistry and analysis of natural raw materials: composition of extracts, oleoresins, volatile oils, etc. from Siberian and Far East plants; synthesis of biologically active natural compounds.

Organofluorine Chemistry: syntheses of perfluoropolymers from perfluoroalcohols

ACADEMIC HONORS AND AWARDS

Diploma from the Ministry of Health of the Russian Federation, 2005

Diploma from the Governor of Tomsk region, 2001

Soros Professor, 2001

Soros Associate Professor, 2000

EXTERNAL GRANTS

1. Science research grant of Tomsk region (No. 101, **2005**) (Director)
2. Grant of Ministry of education of the Russian Federation (RNP 2.2.2.3. 9719) and Germany Academic Exchange Service (DAAD, **2006**) (Director)
3. Grant of the Government of Russian Federation (fund of Bortnik, 4213r/6607, **2006**) (Director)
4. Innovation science research grant of Tomsk region (No. 86, **2006**) (Director)
5. Grant of Russian Foundation for Basic Research (No. 06-04-96968, **2006-2008**)
6. Innovation science research grant of Tomsk region (No. IP-07-126/03, **2007**)
7. Grant of the Government of Russian Federation (№ 08-6-N 5.8-0029, **2008-2010**) (Director)
8. Innovation science research grant of Tomsk region (No. 01, **2008**) (Director)
9. Germany Academic Exchange Service (DAAD, A/08/09062, **2008**) (Director)